

Wind Analysis Summary Report

Site Number

0131

Site Information

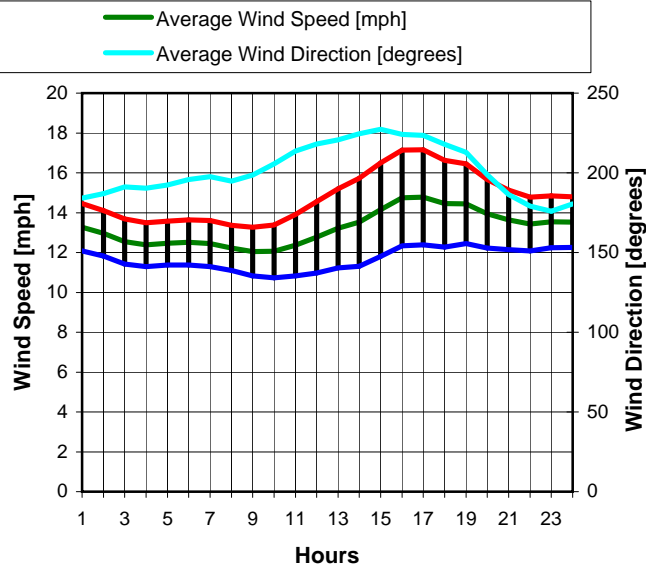
Project: Miller Creek area
Location: Duck Valley, ID/NV
Site Elevation: 6591 ft
Averaging Time: 10 min.

Sensor Information

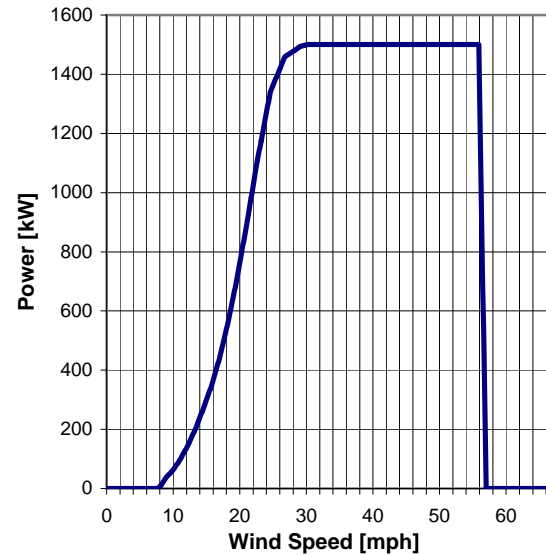
Sensor/Tower Height: 66 ft
Scaled Height: 213 ft
Windvane Offset: 0 degrees

Date Range: 10/15/03 13:50-10/15/04 13:40

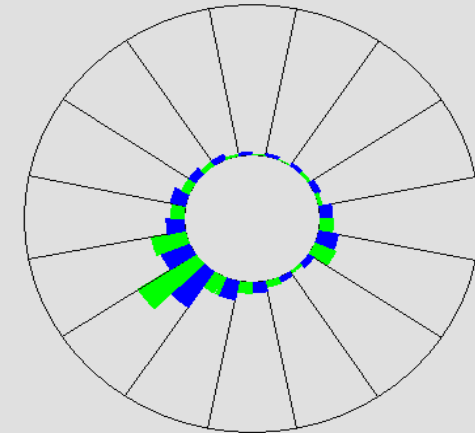
Diurnal Wind Speed Pattern



GE 1.5 S, 70.5m rotor,



Wind Rose Graph



Percent of Total Wind Energy Inner Circle = 0%
Percent of Total Time Outer Circle = 70%

Statistics

Days Used in Calculation: 366.00
Hours Used in Calculation: 8784.00
Gust Speed: 55.5 mph
Gust Time: 1/1/2004 17:40
Estimated Energy Output: 3077798 kWh
Calculated Air Density: 0.998 kg/m³
Average Wind Speed: 13.57 mph
Average Wind Direction: 202 degrees
Capacity Factor: 0.23
Turbine Manufacturer: GE Wind Energy
Turbine Model: GE 1.5 S, 70.5m rotor,
Turbine Rating: 1500 kW
Estimated Annual Production: 3069389 kWh/Year
Scaled Est. Annual Production: 4399468 kWh/Year
Scaled Air Density: 0.992 kg/m³
Scaled Capacity Factor: 0.33

Frequency Distribution Graph

